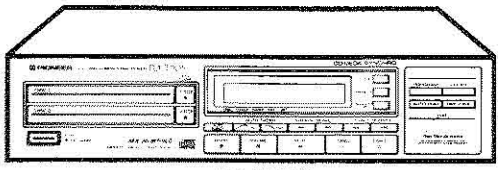
Operating Instructions

TWIN-TRAY COMPACT DISC PLAYER

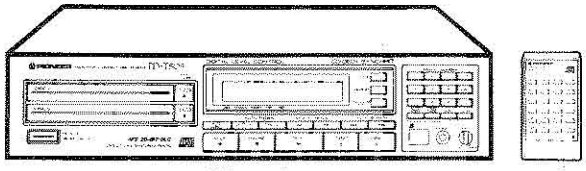
PD-T305
PD-T505

8FS 20-BIT·DLC

COMPACT disc DIGITAL AUDIO



PD-T305



PD-T505

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE

[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

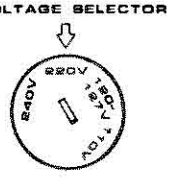
"This product complies with the Radio Interference requirements of the EC (European Community) Directive 87/308/EEC."

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.
Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with 110V setting in Saudi Arabia.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



PIONEER®
The future of sound and vision.

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Equipment sold in the U.K. is not supplied with a power plug.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

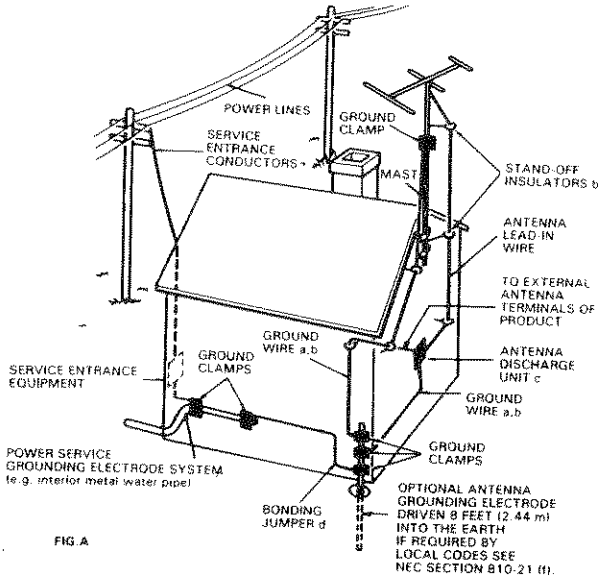

POWER LINES
SERVICE ENTRANCE CONDUCTORS
GROUND CLAMP
MAST
STAND-OFF INSULATORS b
ANTENNA LEAD-IN WIRE
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
ANTENNA DISCHARGE UNIT c
GROUND WIRE a,b
GROUND CLAMPS
SERVICE ENTRANCE EQUIPMENT
GROUND WIRE a,b
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e.g. interior metal water pipe)
BONDING JUMPER d
OPTIONAL ANTENNA GROUNDING ELECTRODE DRIVEN 8 FEET (2.44 m) INTO THE EARTH IF REQUIRED BY LOCAL CODES SEE NEC SECTION 810-21 (f).

FIG.A

a) Use No.10 AWG (5.3 mm²) copper, No.8 AWG (8.4 mm²) aluminum, No.17 AWG (1.0 mm²) copper-clad steel, bronze wire, or larger as ground wire.

b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.

c) Mount antenna discharge unit as closely as possible to where lead-in enters house.

d) Use jumper wire not smaller than No.6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna-grounding electrode is used.
See NEC Section 810-21 (j).

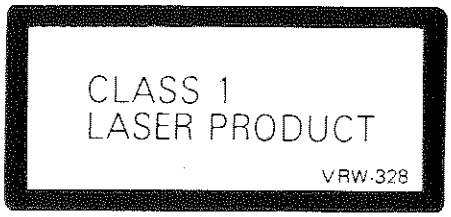
[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player



[FOR U.S. MODEL]
CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate this equipment with respect to the receiver
- move this equipment away from the receiver
- plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems".
This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

The above instructions apply only to units which will be operated in the United States.

[For Canadian model]

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

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ABOUT THESE OPERATING INSTRUCTIONS

The contents found in these Operating Instructions are based on the PD-T505 model, but they are also applicable to the PD-T505 and PD-T305 models.

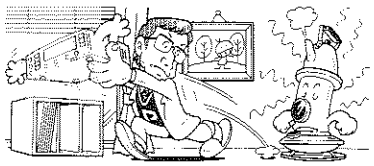
Differences between Models

	PD-T505	PD-T305
Remote control unit	YES	NO
Control cord	YES (U.S. and Canadian)	YES
Headphone jack	YES	YES (U.K. and European)
TRACK NUMBER buttons	YES	NO

CAUTIONS REGARDING HANDLING

Location

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.
Do not install the player in a location which is exposed to direct rays of the sun, or near to hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)

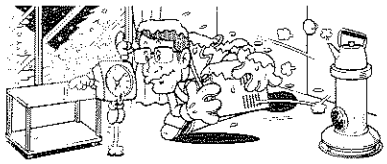


Precautions regarding installation

- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.
- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.
- Please place this unit on a level surface.

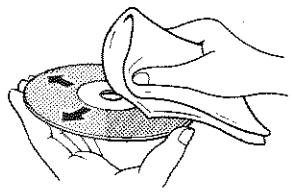
Condensation

When the player is brought into a warm room from previously cold conditions or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

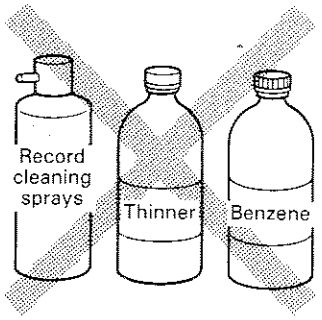


Cleaning discs

- The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals; but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.
  Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.

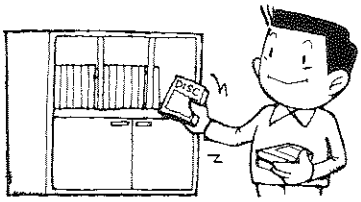


- If a disc becomes very dirty, wet a soft cloth in water. After wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.



Storing discs

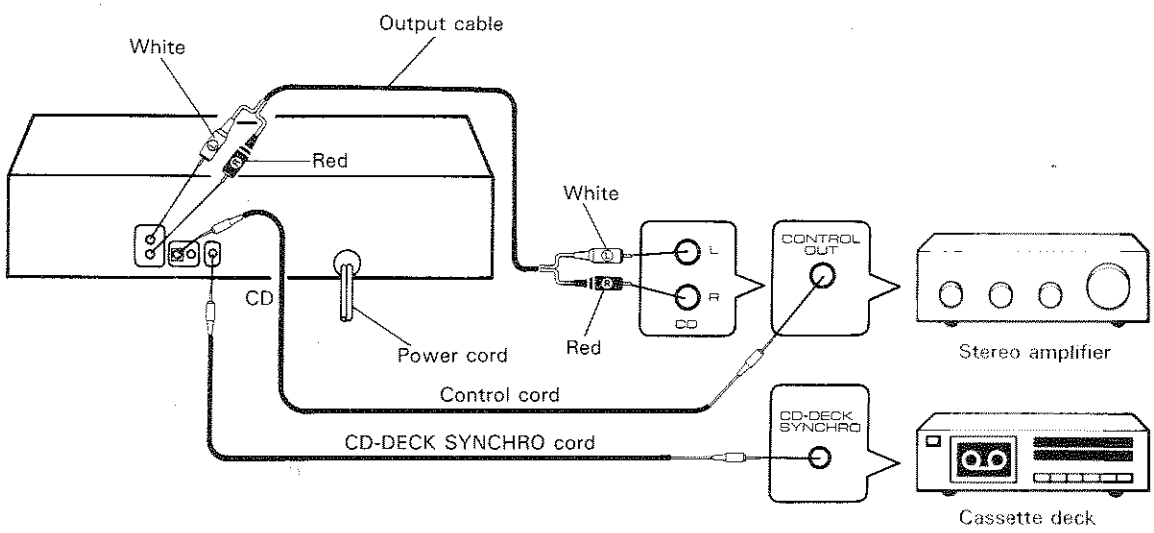
- Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars and on the seats being exposed to direct sunlight since this can be harmful.
- Always read and abide by the precautionary notes listed on the disc labels.



Cleaning the player

To clean the front panel and unit housing, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene or thinner which are harmful to the unit.

CONNECTIONS



CONNECTING THE OUTPUT CABLE:

Connect the plugs on one end of the cable to your amplifier's input terminals (CD or AUX), and those on the other end to the output terminals on this CD player.

- When connecting the cord, insert the white plugs into the left (L) channel, and the red plugs to the right (R) channel.
- Be sure to connect all plugs fully into their terminals.
- Never connect the CD player to your amplifier's turntable (PHONO) terminals, since sound will be distorted and proper playback will not be possible.

CONNECTING THE POWER CORD:

Insert the power cord's plug into an accessory AC outlet on your amplifier, or into a normal household outlet.

REMOTE CONTROL AMPLIFIER OPERATION:

Applicable models: PD-T305 and
PD-T505 (U.S. and Canadian models).

If your amplifier features the mark, connect the accessory control cord between the Amplifier's CONTROL OUT terminal and the CD player's CONTROL IN terminal.

- You can then use the remote control unit furnished with your amplifier to perform PLAY, PAUSE, STOP and TRACK operations on the CD player.
- For details regarding connection and operation, consult the Operating Instructions accompanying your stereo amplifier.
- These terminals do not need to be connected if you do not intend to use this function.

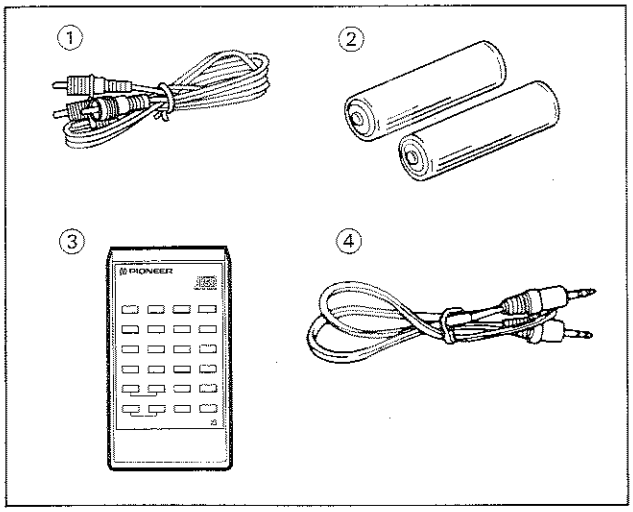
NOTE:

- *When the control cord is connected to the CONTROL IN terminal, the remote control unit cannot be used to control the player directly. The remote control unit must be pointed at the amplifier's remote sensor.*
- *Be sure to connect both of the control cord's plugs securely to the CONTROL IN and CONTROL OUT terminals. Do not connect only one end of the cord.*

About the CD-DECK SYNCHRO recording function:

- This function facilitates edit recording from CD to cassette tape when the CD player is connected to a Pioneer cassette deck equipped with a CD-DECK SYNCHRO terminal. For details, consult the Operating Instructions accompanying the cassette deck featuring the CD-DECK SYNCHRO mark.

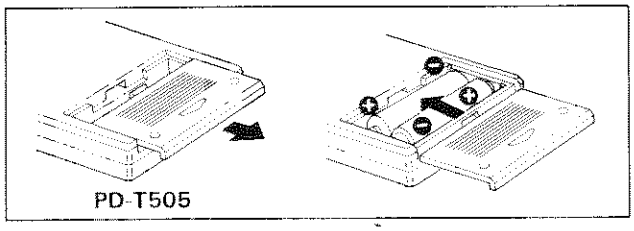
CONFIRM SUPPLIED ACCESSORIES



① Output cable
② "AAA" (R03) batteries
(Applicable model: PD-T505)
③ Remote control unit
(Applicable model: PD-T505)
- The remote control unit and batteries are located behind the foam packing.

④ Control cord
(Applicable model: PD-T305 [All models],
PD-T505 [U.S. and Canadian models only]).

PUT BATTERIES INTO REMOTE CONTROL UNIT



Open the lid of the battery compartment on the rear of the remote control unit, and insert the batteries, taking care to align the (+) and (−) polarities correctly.

NOTE:

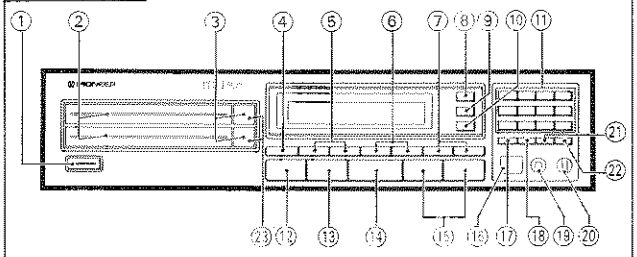
- *In order to prevent battery leakage, remove the batteries when not using the remote control unit for an extended period (one month or more). In the event of battery leakage, carefully wipe away any battery fluid inside the compartment, and replace the batteries with new ones.*
- *Do not allow books or other objects to rest on top of the remote control unit, since the buttons may be depressed, causing faster exhaustion of the batteries.*
- *If the operating decrease, the batteries have probably finished. Replace with new batteries.*

Improper use of batteries can cause dangerous leakage or rupture. Be sure to observe the following safety points:

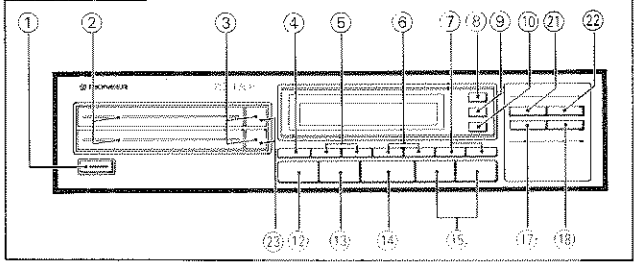
- Insert batteries with positive (+) and negative (−) polarities aligned correctly as shown inside the battery compartment.
- Do not use a new battery together with one which has already been used.
- Even batteries of the same type may have differing voltages depending on the manufacturer. Do not mix different types of batteries together.

PANEL FACILITIES

PD-T505



PD-T305



FRONT PANEL

① **POWER switch**

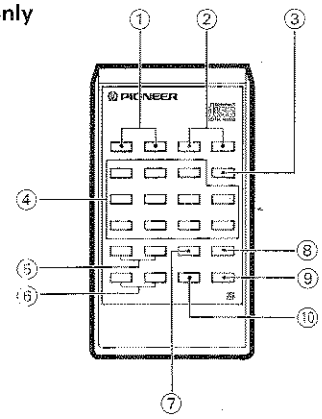
Press to turn power ON and OFF. If the power is turned ON when a disc is already loaded, the player will automatically enter the play mode (timer start function).

② **Disc tray (DISC I, DISC II)**
③ **OPEN/CLOSE buttons**
④ **AUTO EJECT button**
⑤ **AUTO FADER buttons**
⑥ **MANUAL SEARCH buttons**
⑦ **TRACK SEARCH buttons**
⑧ **TIME button**
⑨ **REPEAT button**
⑩ **RANDOM PLAY button**
⑪ **TRACK NUMBER buttons (1—10, +10 ≧20)**
⑫ **STOP button (■)**
⑬ **PAUSE button (▮▮)**
⑭ **PLAY button (▶)**
⑮ **Disc select buttons (DISC I, DISC II)**
⑯ **Remote sensor**
⑰ **Auto program edit button (AUTO PGM)**
⑱ **Time fade edit button (TIME FADE)**
⑲ **Headphones jack (PHONES)**
⑳ **Headphones volume control (PHONES LEVEL)**
㉑ **Program button (PGM)**
㉒ **CLEAR button**
㉓ **Indicators (I, II)**

Green : During playback.
Red : Without disc.
Yellow : At other times.

NOTE:
Items ⑲ and ⑳ are included on the U.K. and European models of the PD-T305.

PD-T505 only

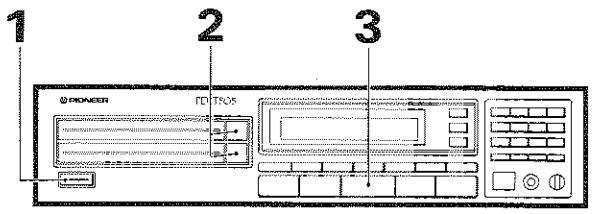


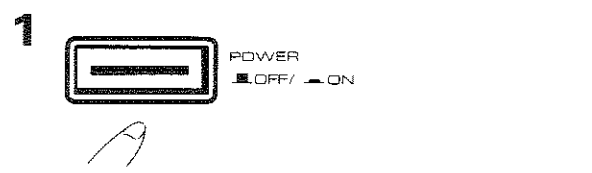
REMOTE CONTROL UNIT

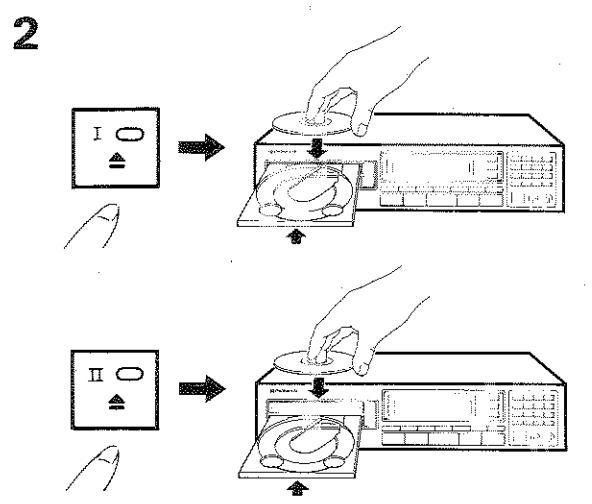
Buttons listed here but not accompanied with explanations have the same functions as the corresponding front-panel buttons.

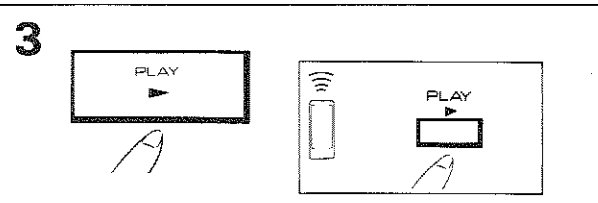
① **DISC SELECT buttons (DISC I, DISC II)**
② **OUTPUT LEVEL button**
③ **Program button (PGM)**
④ **Track number buttons (1—10, >10)**
⑤ **Track search buttons (TRACK |◀◀, ▶▶|)**
⑥ **Manual search buttons (MANUAL ◀◀, ▶▶)**
⑦ **RANDOM PLAY button**
⑧ **PLAY button (▶)**
⑨ **STOP/CLEAR button (■)**
⑩ **PAUSE button (▮▮)**

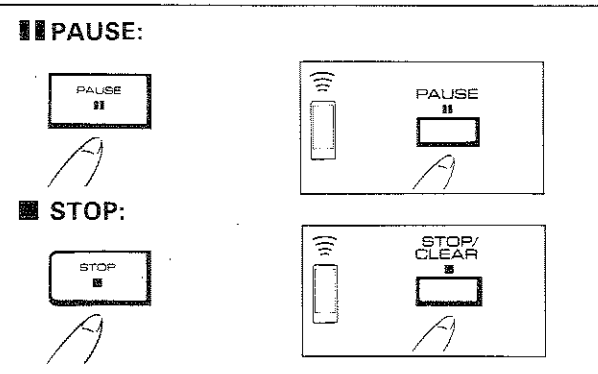
● All names of controls, indicators and front panel are accompanied by a number in a circle.











Operations indicated by the [ ] mark are performed with the remote control unit (PD-T505 only).

To play a compact disc

1. **Press POWER switch ① to turn on power to the player.**
2. **Press OPEN/CLOSE button ③.**
   - Place a compact disc on the tray.
3. **Press PLAY button ⑭.**

To begin playback from the second disc:

- Press the DISC II button ⑮.

To temporarily interrupt playback:

- During playback, press PAUSE button ⑬ (the PAUSE indicator [▯▯] will light).
- To recommence playback, press either PAUSE button ⑬ again, or PLAY button ⑭.

To stop playback:

- Press STOP button ⑫.

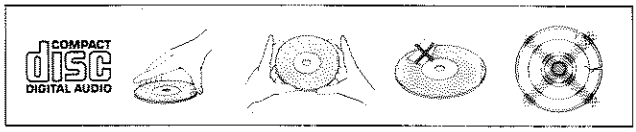
To remove a disc

- Reverse the procedures for disc loading.

1. **Press OPEN/CLOSE button ③.**
2. **Remove the disc and return it to its protective case.**
3. **Press OPEN/CLOSE button ③ to close the disc tray.**
4. **Press POWER switch ① to turn off the power.**

Regarding handling of compact discs:

- This player is designed to play back compact audio discs featuring the mark shown below.
- When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.
- Do not affix tape or seals to the disc's label surface, and take care to avoid scratching either of the disc's surfaces.
- Discs revolve at high speeds inside the player; do not attempt to play discs which are damaged (cracked or severely warped discs).



CAUTION:

- *When setting an 8 cm CD single, do not use the 8 cm CD single adapter.*
- *Be sure to insert discs with the label surface facing up.*
- *Do not touch the disc's signal surface (the side reflecting a "rainbow" pattern, opposite the label side).*
- *Never attempt to load both 8 cm and 12 cm discs together, since disc damage or other malfunctions may result. Always load only one disc at a time.*

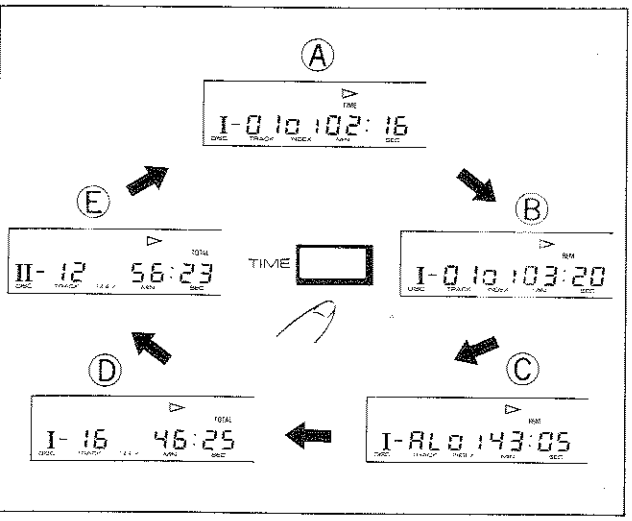
Continue

TIMER START

If a disc is set on the disc tray beforehand, then, when power is turned ON, the player will automatically start playing from track 1. If use is made of an audio timer, the player can be made to start playing from a specified time.

NOTE:

- *When uisng an audio timer, leave POWER switch ① of the player turned ON.*
- *Pressing any function buttons before commencement of timer start cancels the timer start function.*



Using the time button

To check the playing time:
Each time TIME button ⑧ is pressed, the display changes in the order Ⓐ → Ⓑ → Ⓒ → Ⓓ → Ⓔ as noted below:

Ⓐ : Elapsed playing time.
Ⓑ : Remaining time of current track.
Ⓒ : Remaining time of all tracks remaining on disc.
Ⓓ : Playing time of disc I (total)
Ⓔ : Playing time of disc II (total)

- If TIME button ⑧ is pressed when the disc is stopped, the display will show the disc's total playing time "Ⓓ, Ⓔ".
- During programmed playback, the "Ⓒ" display will show the remaining time of all tracks programmed. The "Ⓓ, Ⓔ" display will show the total playing time of all tracks programmed.
- During random playback, the "Ⓒ" display will not be shown.

To begin playback from a particular disc

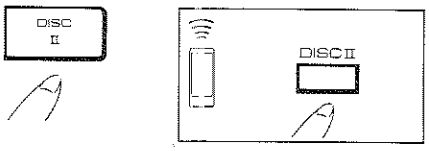
Ⓐ : To begin playback from DISC II.
- Press DISC II button ⑮.

To begin playback from a particular track

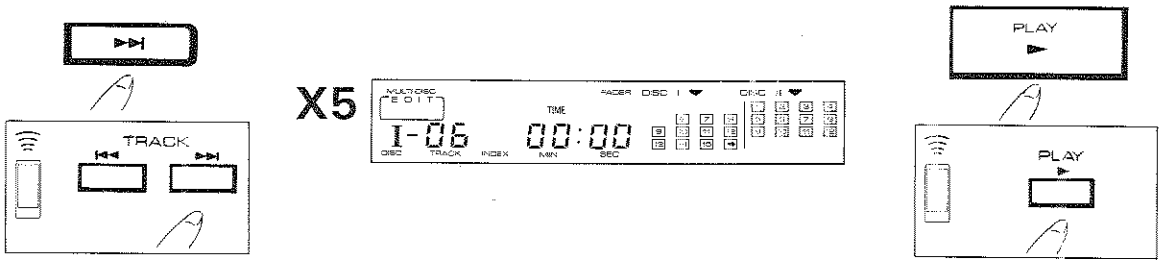
- Press [▶▶|] button ⑦ the number of times necessary to select the number of the desired track.
- Press PLAY button ⑭.

Ⓑ : To designate the sixth track, press [▶▶|] button ⑦ five times, and press PLAY button ⑭.

Ⓐ :

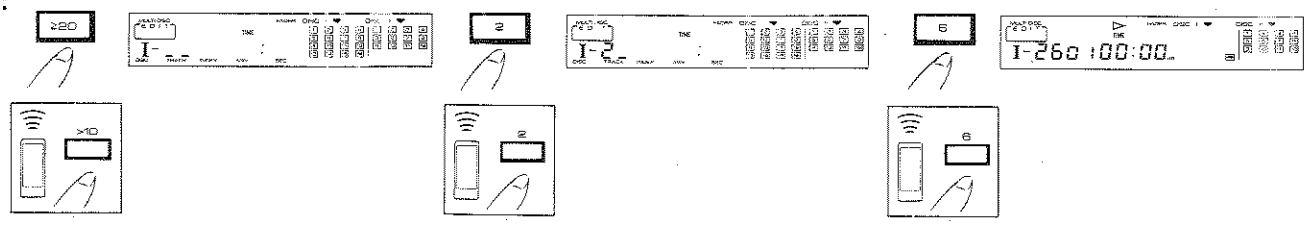


Ⓑ :



Ⓒ :

Ⓓ :



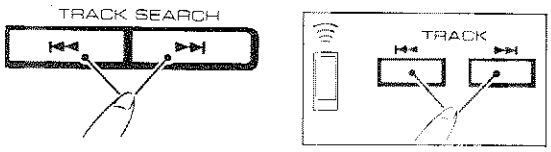
When the number buttons are used (PD-T505):

To select from tracks 1—10, press the appropriate number.
To select from tracks 11 and above, use the [+10] button. To select from tracks 20 and above, press [≧20] button ⑪.

Ⓒ : For example, to select track 26, press [+10] [+10] and [6].

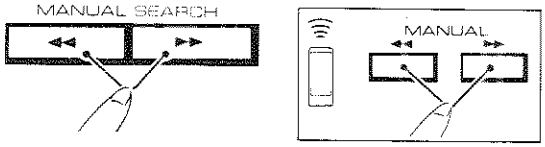
Ⓓ : Track 26 can also be selected by pressing [≧20] (or [>10]), followed by [2] and [6].
Using the remote control unit, use the [>10] key in place of [≧20] button.

During playback of one track, to advance immediately to the next track (track search)



- When [▶▶|] button ⑦ is pressed, playback will be advanced to the next track. By holding the button depressed, playback will continue to advance to further tracks in order.
- When [|◀◀] button ⑦ is pressed, playback will return to the beginning of the currently playing track. By holding the button depressed, playback will be returned to the beginning of earlier tracks, in decreasing order.

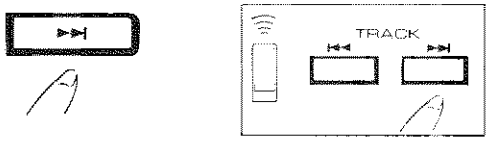
To start fast forward or fast reverse during playback (manual search)



- The playback will be fast forwarded so long as [▶▶] button ⑥ is held depressed. Fast reverse will continue so long as [◀◀] button ⑥ is held depressed.

Continue

To display the playing time of a particular track

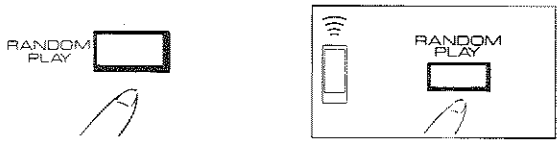


- Before beginning playback, or after stopping playback, press PROGRAM (PGM) button ㉑ to set to the programmed play mode. Each time [▶▶|] button ⑦ is pressed, the display will indicate the track number and its times, beginning with the first. (Tracks 22 and higher will not be displayed).

To repeat playback (repeat play)

- Press REPEAT button ⑨.
  When pressed once, a single track will be repeated.
  When pressed twice, all tracks will be repeated.
  In the all-track repeat mode, programmed play, random play will be repeated.

To choose random selection of the playback order (random play)



- Press RANDOM PLAY button ⑩.
  When all tracks of the loaded disc have been played, playback will automatically stop.

Performing fade-in / fade-out at a desired location

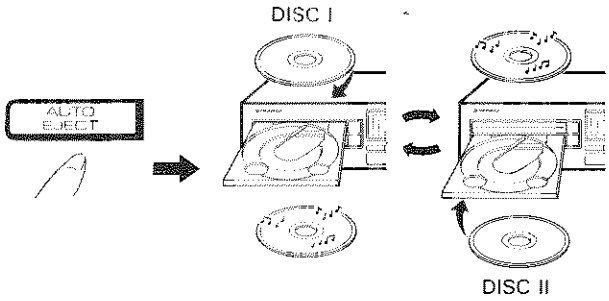
FADE-IN:
The sound begins at an audible level and gradually is increased (''fades in'') to the set volume.
FADE-OUT:
The sound begins at the set volume and gradually decreases (''fades out'') to an inaudible volume.

How to use fade-out:
- During playback, press AUTO FADER-OUT button ⑤ at the desired location. Fade-out will begin immediately, and when it is completed the player will enter the pause mode.

How to use fade-in:
- From the pause mode, press the AUTO FADER-IN button ⑤; playback will begin while fading in.

NOTE:
The fade-in and fade-out functions can be used not only during normal playback, but during programmed and random playback as well.

Changing discs for continuous play (auto-eject play)



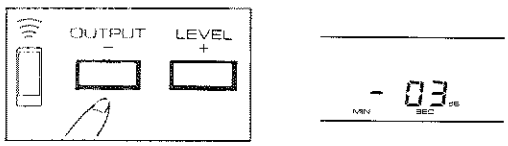
- Press the AUTO EJECT button ④. When pressed once, single-track auto-eject play will be performed. When pressed twice, normal auto-eject play will be performed.

Single-track auto-eject play:
When the currently playing track completes playback, the disc tray will open automatically, and the same track number on the other disc will begin playback.

Auto-eject play:
When a disc completes its playback, it is automatically ejected (disc tray opens).
- When disc I completes its playback, disc tray I opens automatically, and playback continues on disc II.
- By replacing the disc in tray I with another, playback of the new disc in tray I will commence immediately upon the completion of disc II's playback. At that time, the disc II tray will open automatically and the disc there can be replaced with another for continuous playback.

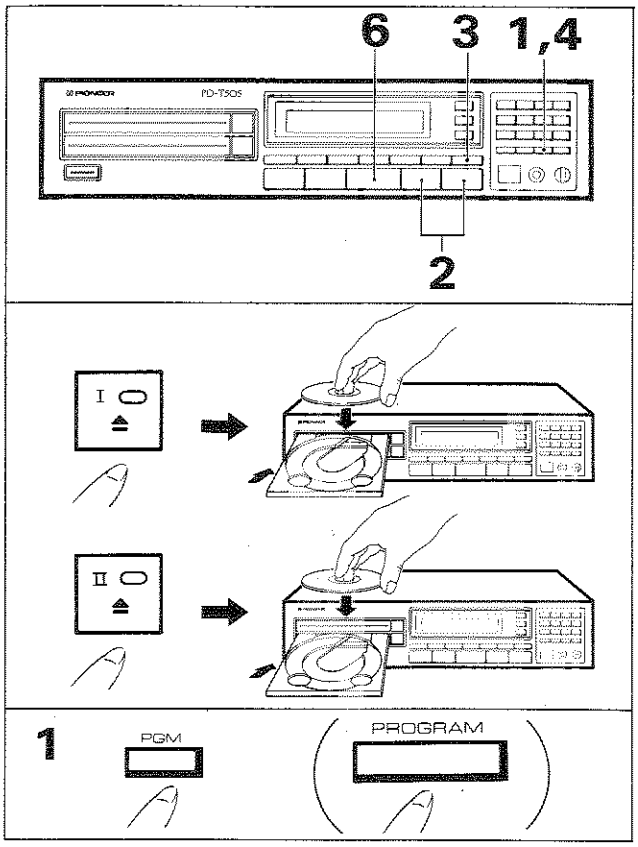
Other operations:
Repeat play:
- Press REPEAT button ⑨ twice for playback of all tracks on the disc.
- When the disc completes its playback, press OPEN/CLOSE button ③ and replace the disc with another for continuous playback.

Adjusting the sound volume (PD-T505 only)

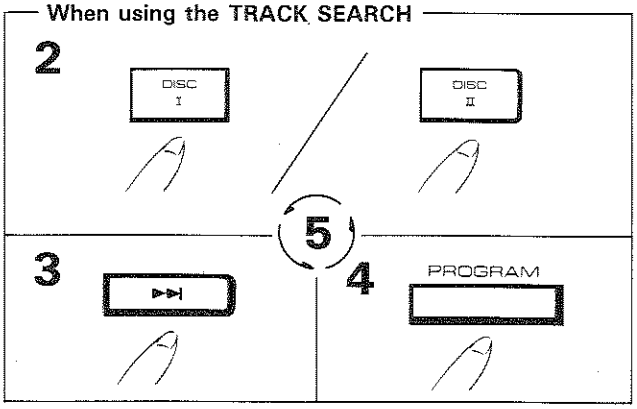


When the ''−'' side is pressed, the sound volume will be decreased by a small amount; when the ''+'' is pressed, sound volume will be increased by the same amount.
- The sound volume can be adjusted within the range 0dB to −25dB.

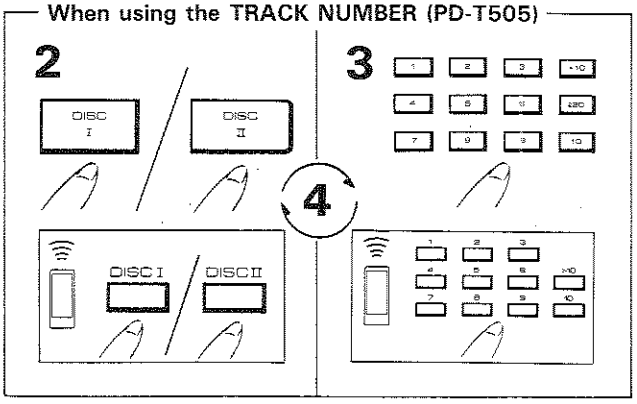
TO SELECT PLAYBACK OF TRACKS IN A SPECIFIC ORDER



When using the TRACK SEARCH



When using the TRACK NUMBER (PD-T505)



Inputting the playback program

1. With the player in the stop mode, press PROGRAM button ㉑.
2. Use disc select button ⑮ to designate which disc is to be played back.
3. Use TRACK SEARCH button ⑦ to select the number of the first track to be played back.
4. Press PROGRAM button ㉑.
5. Repeat steps 2—4 for the remaining tracks you wish to play back.
   - Up to 24 tracks (steps) can be programmed.
6. When PLAY button ⑭ is pressed, the selected tracks will be played back in the order in which they were input.

When the number buttons are used (PD-T505):

1. With the player in the stop mode, press PGM button ㉑.
2. Use disc select button ⑮ to designate which disc is to be played back.
3. Use the number buttons to select the numbers of the desired tracks, in the order you want playback to proceed.
4. Repeat steps 2—3 for the remaining tracks you wish to play back.
   - Up to 24 tracks (steps) can be programmed.
5. When PLAY button ⑭ is pressed, the selected tracks will be played back in the order in which they were input.

NOTE:
Pressing the PGM button ㉑ during normal playback and entering a program will automatically start the program after the currently-playing track ends. Also, if the PLAY button ⑭ is pressed during playback, the program will start immediately.

About the pause program function

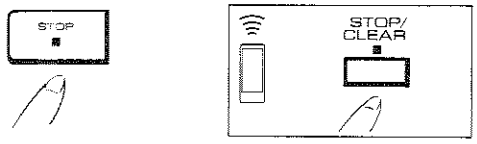
When programming tracks, a pause can be programmed if desired in place of a disc track. When PAUSE button ⑬ is done, "PA" will be displayed in place of a track number.

How to use the pause program function:
When recording both sides of a cassette tape, program PAUSE button ⑬ at the end of the last track to be recorded on side A of the tape; in this way, playback will be automatically interrupted, thus allowing you to turn the cassette tape over before resuming recording.

NOTE:
- *A pause cannot be programmed as the first step (01) of a program, nor can it be programmed twice in succession.*
- *If a pause is programmed as the last step of a program, the player will not enter the pause mode.*

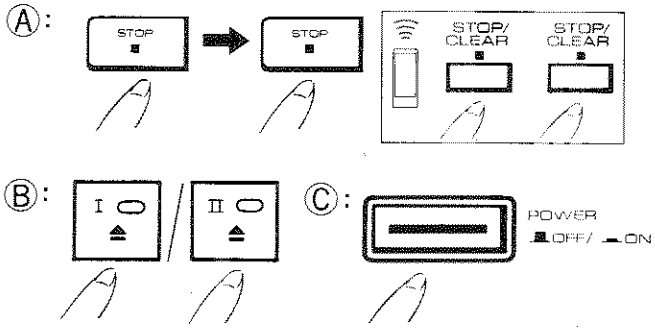
Continue

To stop programmed playback



- When STOP button ⑫ is pressed, the programmed playback will stop. (Program stop mode.)

To erase the program memory



Ⓐ : Press STOP button ⑫ to interrupt the programmed playback, then press STOP button ⑫ once again. The contents of the program memory will be erased.

Ⓑ : The program memory will also be erased by pressing OPEN/CLOSE button ③ to open the disc tray when removing a disc.

Ⓒ : The program memory will also be erased if the player's power is turned off.

To erase a program

- The programmed tracks will be erased, beginning with the last programmed, in accordance with the number of times CLEAR button ㉒ is pressed.

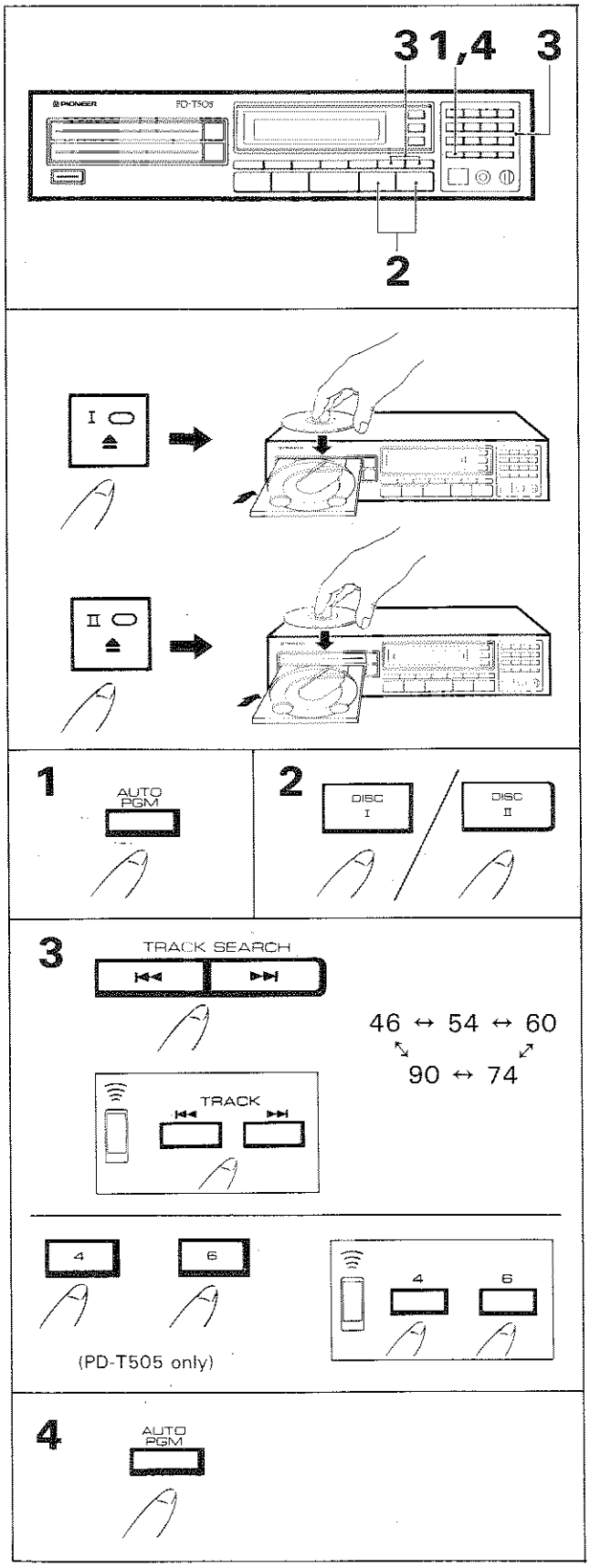
NOTE:

Contents of a program can be erased during playback as well. However, tracks preceding the currently playing track cannot be erased in this way.

Convenient program operation (PD-T505 only)

- Programming can also be performed during normal playback. When this is done, programmed playback will begin as soon as the current track completes its playback. (Or, programmed playback can also be initiated immediately by pressing PLAY button ⑭.)

TO PLAYBACK A CD TO MATCH THE LENGTH OF A CASSETTE TAPE



- This function is convenient when recording the contents of a CD onto a cassette tape.

WHAT IS AUTO PROGRAM EDIT?

- This function programs the playback of that many CD tracks (beginning with the first and progressing in order) that can be contained within the time designated.

1. **Press the AUTO PGM button ⑰.**
2. **Use disc select button ⑮ to designate which disc is to be programmed.**
3. **Press [⏮] or [⏭] buttons ⑦ to set the desired tape length.**
   - Each time the buttons are pressed, the time setting will change in the following order:

   46 ↔ 54 ↔ 60 ↔ 74 ↔ 90

   Unit: Minutes

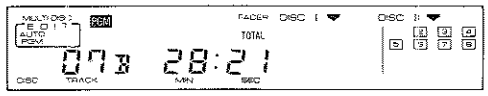
4. **Press AUTO PGM button ⑰.**
   - The tracks to be recorded on tape sides A and B will be programmed automatically, with a pause between tracks.
   - The display will first show the number of tracks and total playing time to be recorded on tape side A, after which it will change to show the number of tracks and total playing time to be recorded on tape side B.

When the number buttons are used (PD-T505 only)

1. **Press AUTO PGM button ⑰.**
2. **Use disc select button ⑮ to designate which disc is to be programmed.**
3. **Press the number buttons to set the length (time) of the tape desired.**

Ⓐ:

Ⓑ:



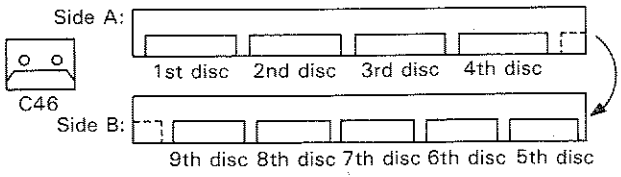
[Example: When 60 minutes are input].

Continue

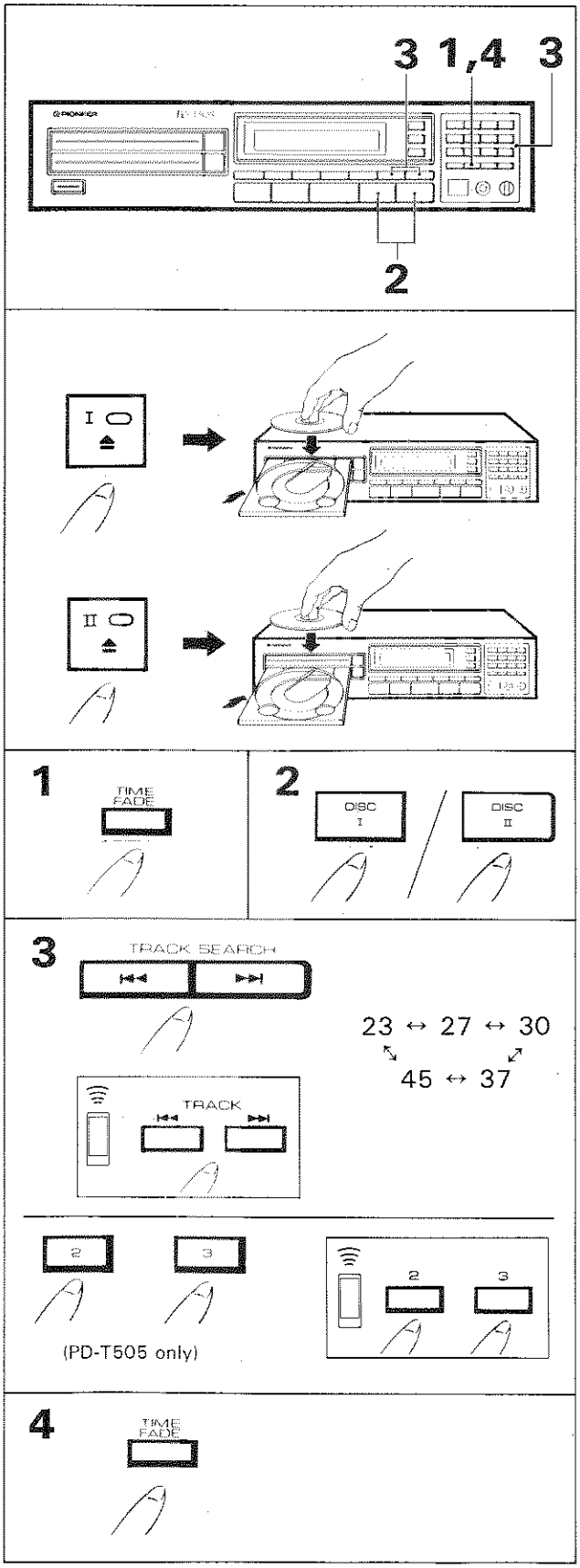
To perform edit recording from multiple discs (MULTI-DISC AUTO PROGRAM EDIT)

When the tape length (designated edit time) is longer than the disc playback time, the auto eject function will operate automatically up to the designated time. When a disc completes its playback, replace it with another for convenient editing from multiple discs.

For example:
Multiple 8 cm CDs can be recorded onto a C46 (23 minutes per side) cassette tape (Multi-disc auto PGM edit).



TO END PLAYBACK BY PERFORMING FADE-OUT AT A DESIRED TIME



This feature allows you to perform recording onto cassette tapes up to the full length of the tape. It is also convenient when you wish to listen to a disc for a certain length of time only.

- Perform designated time playback. When the playback time comes to its end, the sound will gradually fade out without any distracting electronic noises.

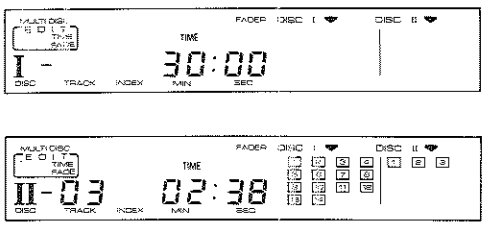
1. **Press the TIME FADE button ⑱.**
2. **Use disc select button ⑮ to designate which disc is to be programmed.**
3. **Press [⏮] or [⏭] buttons ⑦ to set the desired tape length.**
   - Each time the buttons are pressed, the time setting will change in the following order:

     ↱ 23 ↔ 27 ↔ 30 ↔ 37 ↔ 45 ↰

     Unit: Minutes
4. **Press TIME FADE button ⑱.**

When the number buttons are used (PD-T505 only)

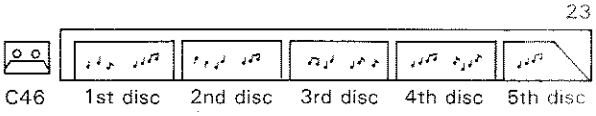
1. **Press TIME FADE button ⑱.**
2. **Use disc select button ⑮ to designate which disc is to be programmed.**
3. **Press the number buttons to set the length (time) of the tape desired.**



To perform edit recording from multiple discs (MULTI-DISC TIME FADE EDIT)

When the tape length (designated edit time) is longer than the disc playback time, the automatic eject function will operate, allowing you to change discs and program tracks up to the full designated time.

For example:
Multiple 8 cm CDs can be recorded onto a single C46 (23 minutes per side) cassette tape (Multi-disc time fade edit).
Remaining time.



TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
Disc tray does not come out when OPEN/CLOSE button ③ is pressed.	• Power plug is disconnected from outlet. • POWER switch ① is OFF.	• Connect plug to stereo amplifier or wall outlet. • Press POWER switch ① ON.
When playback is started, it stops immediately. **Pauses or stops playback**	• Disc is loaded upside down. • **Dirty disc, etc.**	• Load the disc correctly with the label side UP. • **Press the PLAY ⑭ or PAUSE ⑬ button.** • **Remove the dirt from the disc and then play it again.**
No sound.	• Output cords are connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Player is in pause mode.	• Connect properly. • Check the settings of stereo amplifier switches and sound volume controls. • Press the PLAY ⑭ or PAUSE ⑬ button.
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs or amplifier input terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier CD or AUX terminals, etc. Do not connect to PHONO input terminals. • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	• Disc is badly scratched or warped. • Disc is extremely dirty.	• Replace the disc. • Clean disc.
Cannot operate player with remote control unit. (PD-T505 only)	• Batteries have run out. • Remote control unit is too far away from player, or angle is wrong. • There is an obstacle between remote control unit and player.	• Replace batteries. • The operating range of the remote control unit, is up to about 7 m from the remote sensor, within angles of up to 30 degrees. • Operate the remote control unit from a different position, or remove the obstacle.

SPECIFICATIONS

1. General

Type ..... Compact disc digital audio system
Power requirements
European models ..... AC 220V, 50/60Hz
U.K., Australian models ..... AC 240V, 50/60Hz
U.S., Canadian models ..... AC 120V, 60Hz
Other models ..... AC 110/120—127/220/240V (switchable), 50/60Hz
Power consumption 13W
Operating temperature ..... +5°C—+35°C (+41°F—+95°F)
Weight 4.2kg (9lb, 4oz)
External dimensions:
PD-T505: U.S. Canadian, U.K. and European models,
PD-T305: U.K. and European models,
..... 420(W) × 326(D) × 102(H)mm
16-9/16(W) × 12-27/32(D) × 4-1/32(H) in.
Other models ..... 420(W) × 326(D) × 94(H)mm
16-9/16(W) × 12-27/32(D) × 3-23/32(H) in.

2. Audio section

Frequency response ..... 2Hz—20kHz
S/N ..... 106dB or more (EIAJ)
Dynamic range ..... 92dB or more (EIAJ)
Channel separation ..... 98dB or more (EIAJ)
Total harmonic distortion ..... 0.04% or less (EIAJ)
Output voltage 2.0V
Wow and flutter ..... Limit of measurement (±0.001% W.PEAK) or less (EIAJ)
Number of channels ..... 2 channels (stereo)

3. Output terminal

- Audio line output terminals
- CD-DECK SYNCHRO terminal
- Control input/output terminals
  (PD-T305: All models,
  PD-T505: U.S. and Canadian models only)
- Headphone jack (with volume control)
  (PD-T305: U.K. and European models only,
  PD-T505: All models)

4. Functions

- Play
- Pause
- Track search
- Manual search
- Direct selection (PD-T505)
- Programmed playback
- Programmed repeat
- Pause program
- Multi-disc auto program edit
- Multi-disc time fade edit
- Single track repeat
- Sequential disc all track repeat
- Relay playback
- Random relay play
- Program relay play
- Single track auto eject play
- Auto eject play
- Auto eject random play
- Auto eject program play
- Random play
- Random repeat
- Digital level control (remote control: PD-T505)
- Auto fader in/out
- Display of a particular track
- Timer start

5. Accessories

- Remote control unit (PD-T505 only) 1
- Size AAA/R03 dry cell batteries (PD-T505 only) 2
- Remote control cord
  (PD-T505: U.S. and Canadian models)
  (PD-T305: All models) 1
- Output cable 1
- Operating instructions 1

NOTE:
The specifications and design of this product are subject to change without notice, due to improvements.

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